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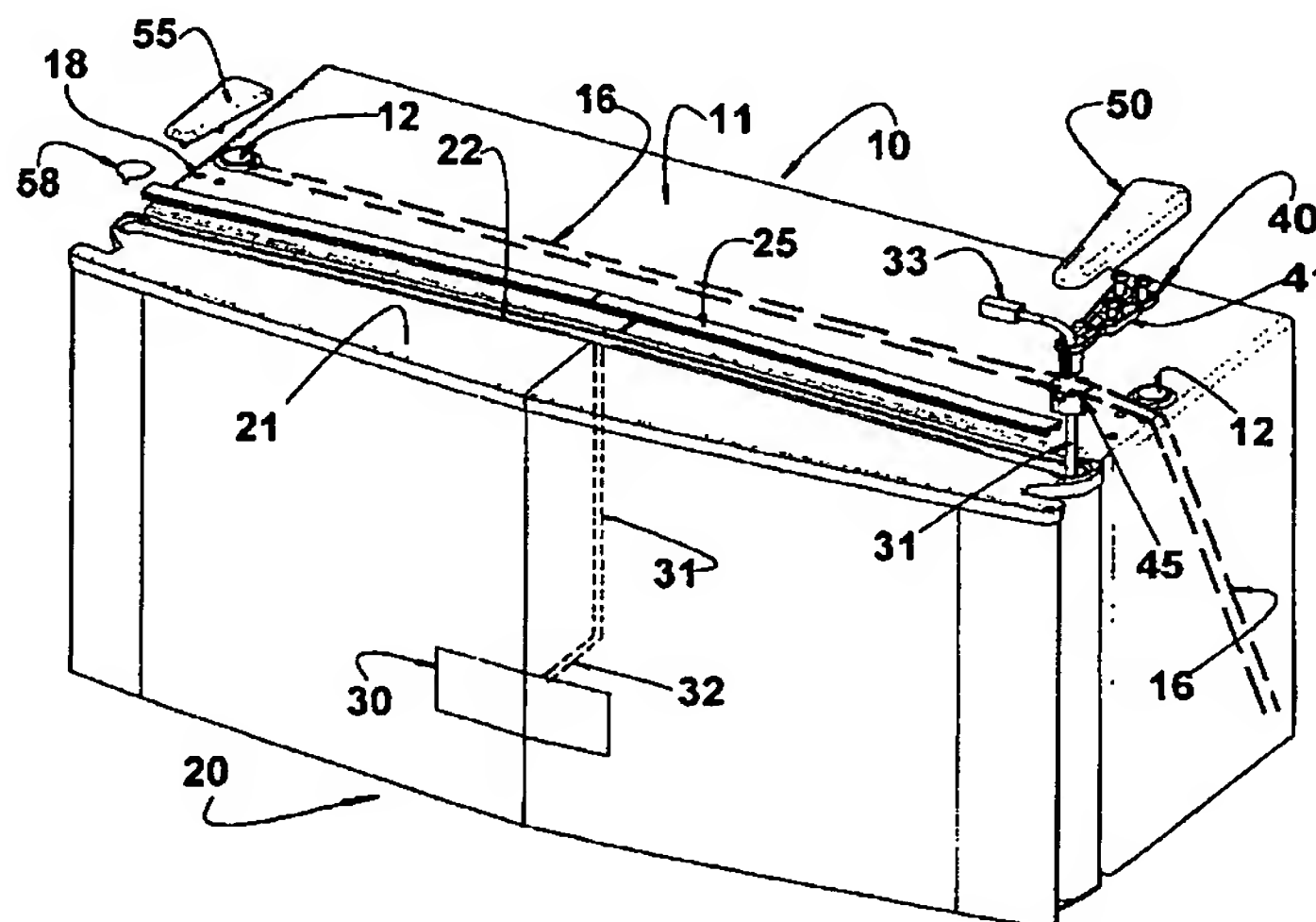
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(54) Title: **ELECTRIC SUPPLY SYSTEM FOR THE DOOR OF REFRIGERATORS AND FREEZERS**



(57) Abstract: An electric supply system for the door of refrigerators and freezers and other appliances comprising a cabinet (10) to which is articulated an end edge (21) of a door (20) carrying an electronic control means (30), comprising a connecting means (15) mounted to each region of the cabinet (10) that is foreseen to receive and affix a respective hinge (40); an auxiliary electric wiring (16) connecting each connecting means with an internal electric circuit of the appliance; a duct (22) provided in the door (20) and having an inlet (22a) opened to the interior of the door (20) and a pair of outlets (22b) opened to the outside of the end edge (21), one of them bearing a tubular hinge pin (42) of a respective hinge (40); an electric wiring (31) mounted through the duct (22) and the hinge pin (42) and having an internal end (32) connected with the electronic control means (30) and an external end (33) coupled to the connecting means (15) adjacent to the hinge (40).



SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 671 582 A (RICHARDSON RICHARD J ET AL) 9 June 1987 (1987-06-09) column 4, line 46 -column 8, line 44; figures 1-15	1-3
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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